



## March 2006 Shutdown Week 11

“About the time we think we can make ends meet,  
somebody moves the ends.”—Herbert Hoover

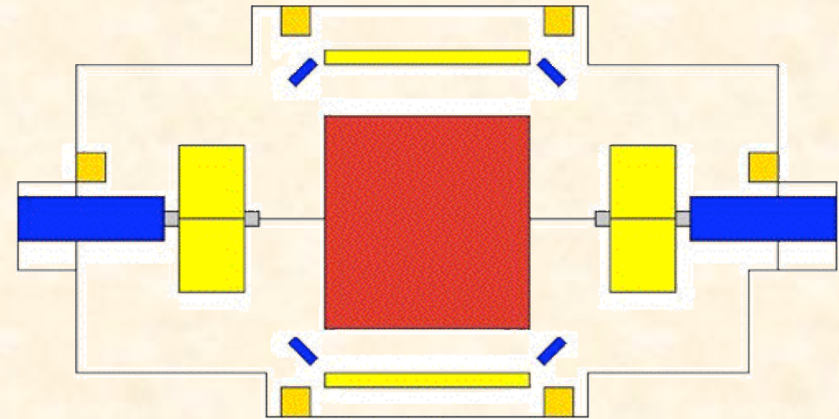


# CDF Operations Summary

Steve Hahn  
May 11, 2006

## ☛ Good news:

- UPS system back online with new batteries for silicon systems and control voltages in 1st floor counting room
- Beampipe and low  $\beta$  quads on west side returned to nominal position with no problems, vacuum or otherwise



## ☛ Other work this week:

- Virgil Barnes, Gene Flanagan, Alexei Sedov:
  - ➔ More robust gearheads and motors now installed on all 8 plug source drives
  - ➔ Wires inspected, cleaned, lubricated, tested, and some minor kinks smoothed out
  - ➔ Two east lower source drive wires replaced with (non-magnetic) stainless steel
- West CLC PMTs being replaced
- CMX work rearranging and adding spare HV cables
- Repair broken CHA & WHA optical fibers for laser; repair some CEM optical fibers for LEDs
- CLC1 iFIX PC now working and CPR/CCR HV on; last remaining problem MUON3



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## ✎ Exit strategy

- Keys back today at 1600 for overnight interlock and safety tests by AD
- May 16–17 CDF safety tests; power off to detector and HV
- May 19 start flammable gas to COT and CMP; flush done May 22
- May 18 resume work on plug shower max problems (Jay Hauser and company)
- May 22
  - ➔ Start flammable gas to remaining chambers; flush done May 23-24
  - ➔ Start system process technicians 24 hour coverage
  - ➔ Start work on SW IMU steel Hillman roller replacement
- May 24 solenoid and COT test (cosmics test?)
- May 25 Tevatron cold and access under detector ends
- June 2 full 24 hour shifts begin

## ✎ To be scheduled:

- Plug source runs
- WHA source runs—set gains of 3 new PMTs



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## ➤ Accelerator Schedule:

- May 8, Monday — zebra mussel kill starts (not ring ponds)
- May 11, Thursday — TeV safety tests, return all keys at 1600 overnight
- May 15, Monday — CHL cold, start TeV purification
- May 22, Monday — Startup booster/MI/ pbar
- May 25, Thursday — TeV cold and powered, controlled access
- June 4, Sunday (June 2? June 5?) — D0 done, TeV beam startup
- June 17, Saturday (June 16? June 19?) — first collisions



# Important Dates

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May 11, 2006

Date	
2/27	<b>Shutdown begins</b>
2/27	Open Collision Hall, begin detector work
2/27 - 6/1	No Owl shifts (Cryo: 3/6 - 5/22): <b>HV off at night!</b>
3/1 - 4/6	No Hardware Event Builder
3/7	Open all steel, full detector access
3/15 - 3/26	Hilman roller replacement (NW IMU steel)
3/13	Chambers off flammable gas
3/18	8 hour power outage to B0 and trailers
4/4 - 4/20	Solenoid bore access
4/3	1/2 hour site wide power outage
4/24	1/2 hour site wide power outage
5/11	Start intermittent restricted access to collision hall
5/16	Flammable gas resumes for COT, CMP; CMX 5/22; <b>HV off at night!</b>
5/22	Hillman roller replacement on SW IMU steel
5/25	<b>Tevatron Cold</b>